

IN THE CLAIMS:

Please amend Claims 1 and 58 to 66 as follows. Note that all of the claims currently pending in this application, including those not presently being amended, have been reproduced below.

1. (Currently Amended) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print data job to be printed sent to a printer, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

a data re-sizer ~~data-resizer~~ adapted to re-size by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which is an input data area;~~ in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data job generator adapted to generate a print job comprising at least one printer control command ~~data to be printed by a physical page unit;~~ based on the input data drawing commands re-sized by said data re-sizer,

wherein said margin setter is capable of setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding and said data re-sizer performs a process for arranging the re-sized input data drawing commands, such that data generated based on the re-sized drawing commands are arranged on the printable area based on the binding margin.

2 to 57. (Cancelled)

58. (Currently Amended) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print data job to be printed sent to a printer, said print layout device comprising:

margin setting means, for setting a margin for a sheet;

spooling means to spool drawing commands based on a print request provided by an application in a memory;

data re-sizing ~~data-resizing~~ means for re-sizing by operation on the drawing commands spooled by said spooling means in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages;~~ ~~which is an input data area;~~ in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating a print job comprising at least one printer control command ~~data to be printed by a physical page unit;~~ based on the ~~input data~~ drawing commands re-sized by said data re-sizing means,

wherein said margin setting means is also for setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding and said data re-sizing means is also for performing a process for arranging the re-sized ~~input data~~ drawing commands such that data generated based on the re-sized drawing commands are arranged on the printable area based on the binding margin.

59. (Currently Amended) A print layout method for providing a layout for a recording sheet and generating print data job to be ~~printed~~ sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which is an input data area,~~ in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job sent to a printer comprising at least one printer control command ~~data to be printed by a physical page unit,~~ based on the ~~input data~~ drawing commands re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding and said data re-sizing step includes performing a process for arranging the re-sized ~~input data~~ drawing commands such that data generated based on re-sized drawing commands are arranged on the printable area based on the binding margin.

60. (Currently Amended) A print layout program for providing a layout for a recording sheet and generating a print data job to be ~~printed~~ sent to a printer, said print layout program comprising:

program code for setting a margin for a sheet;

program code for spooling drawing commands based on a print request
provided by an application in a memory;

program code for re-sizing by operation on the drawing commands spooled
by said spooler in the memory in each logical page provided by the application input data
~~based on a print request in each of one or more logical pages, which is an input data area,~~
in consonance with a printable area of a physical page obtained based on the margin set by
execution of said program code for margin setting; and

program code for generating a print job sent to a printer comprising at least
one printer control command ~~data to be printed by a physical page unit,~~ based on the input
~~data~~ drawing commands re-sized ~~resized~~ by execution of said program code for data re-
sizing,

wherein said program code for margin setting also effects setting of a
binding margin adjacent to a center line in a sheet such that the sheet is folded along a line
in the binding margin for bookbinding and said program code for data re-sizing also effects
performing a process for arranging the re-sized ~~input data~~ drawing commands such that
data generated based on the re-sized drawing commands are arranged on the printable area
based on the binding margin.

61. (Currently Amended) A memory medium storing computer
executable instructions for performing a print layout method for providing a layout for a
recording sheet and generating a print data job to be ~~printed~~ sent to a printer, said print
layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which is an input data area,~~ in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job sent to a printer comprising at least one printer control command ~~data to be printed by a physical page unit,~~ based on the ~~input data~~ drawing commands re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding and said data re-sizing step includes performing a process for arranging the re-sized ~~input data~~ drawing commands such that data generated based on the re-sized drawing commands are arranged on the printable area based on the binding margin.

62. (Currently Amended) A print layout device, which serves as a host computer for providing a layout for a recording sheet and generating a print data job to be ~~printed~~ sent to a printer, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

a data re-sizer ~~data-resizer~~ adapted to re-size by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which is an input data area~~; in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data job generator adapted to generate a print data to be printed job comprising at least one printer control command by a physical page unit, based on the ~~input data~~ drawing commands re-sized by said data re-sizer,

wherein, when the re-sized drawing commands correspond to input data for a plurality of pages to should be printed on one sheet, said data re-sizer ~~resizer~~ performs a process for arranging the re-sized drawing commands ~~input data~~ for the plurality of pages such that ~~the input data~~ data generated based on the re-sized drawing commands are centered on the printable area.

63. (Currently Amended) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print data job to be ~~printed~~ sent to a printer, said print layout device comprising:

margin setting means for setting a margin for a sheet;

spooling means adapted to spool drawing commands based on a print request provided by an application in a memory;

data re-sizing ~~data-resizing~~ means for re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which~~

~~is an input data area~~; in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating a print data to be printed job comprising at least one printer control command by a physical page unit, based on the input data drawing commands re-sized by said data re-sizing means,

wherein, when the re-sized drawing commands correspond to input data for a plurality of pages to should be printed on one sheet, said data re-sizing means is also for performing a process for arranging the re-sized input data drawing commands for the plurality of pages such that data generated based on the re-sized drawing commands the input data are centered on the printable area.

64. (Currently Amended) A print layout method for providing a layout for a recording sheet and generating a print data job to be printed sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application input data based on a print request in each of one or more logical pages, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print ~~data to be printed~~ job comprising at least one printer control command by a physical page unit, based on the ~~input data~~ drawing commands re-sized in said data re-sizing step,

wherein, when the re-sized drawing commands correspond to input data for a plurality of pages ~~to should~~ be printed on one sheet, said data re-sizing step includes performing a process for arranging the re-sized drawing commands ~~input data~~ for the plurality of pages such that data generated based on the re-sized drawing commands ~~the input data~~ are centered on the printable area.

65. (Currently Amended) A print layout program for providing a layout for a recording sheet and generating a print ~~data job~~ to be printed sent to a printer, said print layout program comprising:

program code for setting a margin for a sheet;

program code for spooling drawing commands based on a print request provided by an application in a memory;

program code for re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application ~~input data based on a print request in each of one or more logical pages, which is an input data area,~~ in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating a print ~~data to be printed~~ job comprising at least one printer control command by a physical page unit, based on the ~~input data~~ drawing commands re-sized by execution of said program code for data re-sizing,

wherein, when the re-sized drawing commands correspond to input data for a plurality of pages to should be printed on one sheet, said program code for data re-sizing also effects a process for arranging the re-sized data commands input data for the plurality of pages such that data generated based on the re-sized drawing commands the input data are centered on the printable area.

66. (Currently Amended) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating a print data job to be printed sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

re-sizing by operation on the drawing commands spooled by said spooler in the memory in each logical page provided by the application input data based on a print request in each of one or more logical pages, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print data to be printed job comprising at least one printer control command by a physical page unit, based on the input data drawing commands re-sized in said data re-sizing step,

7

wherein, when the re-sized drawing commands correspond to input data for a plurality of pages to should be printed on one sheet, said data re-sizing step includes performing a process for arranging the re-sized drawing commands input data for the plurality of pages such that data generated based on the re-sized drawing commands the input data are centered on the printable area.
